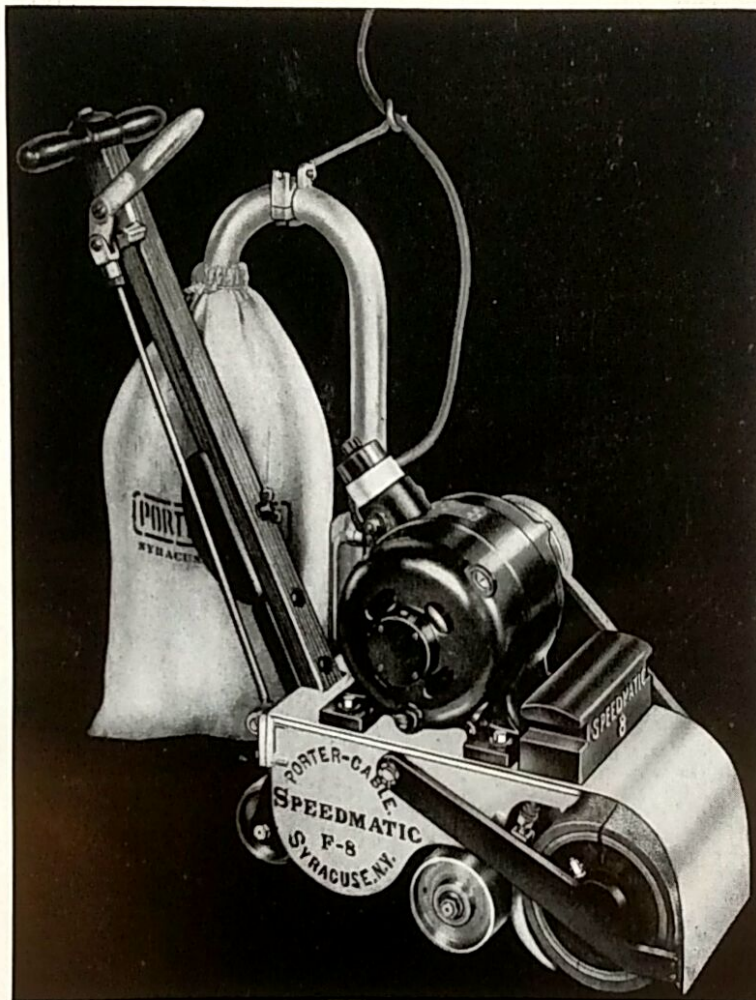


Speedmatic

"8"



Speedmatic Floor Surfer

TYPE F-8

Code Word Florate

SPECIFICATIONS

Drum size, 8" wide x 6 3/4" diameter
 Drum speed, 1360 R.P.M.
 Surface Speed, 2400 F.P.M.
 Motor one H.P. General Electric
 60 cycle, single phase or D.C. Motor.
 Capable of 50% overload
 Belt drive
 Safety switch

Die cast fan for vacuum system driven
 by belt at 6000 R.P.M.
 Over all measurements, 13 1/4" W. x 31"
 L. x 34" H. (including handle)
 Net weight, 158 lbs.
 Without added weight, 142 lbs.
 Weight, 75 lbs. with motor and weight
 removed
 Shipping weight, 225 lbs.

EQUIPMENT INCLUDES:

50' Trailing Wire
 Paper templet
 6 sheets assorted paper
 Combination wrench

Wrenches for changing paper on drum
 Wrenches for carrying
 Alemite fittings

PORTER-CABLE
SYRACUSE

PORTER-CABLE
SYRACUSE

Speedmatic

TYPE F-8

Floor Surfacers

IN ease of operation and smoothness of handling, the Speedmatic Eight stands alone among floor sanders. Built along the same lines as our successful larger heavy duty Type F-12 machine, it is therefore sound in principle and design. Although light of weight nothing is lost in cutting efficiency as the powerful one horse power motor drives the small diameter high speed drum at 2300 F. P. M. (surface speed). This, combined with a maximum pressure of 95 lbs., is sufficient for most work.

Speed, combined with light weight has long been desired by contractors. Heretofore, two to three men were required to carry a heavy bulky machine upstairs and down, job to job, with a truck being necessary for transportation. A back-breaking job at its best. Now you can carry the Speedmatic Eight with no help whatsoever. Weighing only 142 lbs. (without extra 16-lb. wt.) a strong man has no difficulty making the carry. As it is small in size you can even carry it in your own pleasure car, saving you extra trucking expense. You can make a still lighter load, should you so desire, by simply detaching the motor. Without the motor the Speedmatic weighs only 75 lbs. which is not a heavy load. The motor can be put on and taken off in ten minutes by merely tightening or loosening four cap screws. The motor is easily replaced, as it is aligned by the means of a keyway. On account of this, it is an easy matter to take up the slack in the drive belt.

The drum is only 8" in width. This small size is especially useful in sanding wavy or uneven floors, as it is able to get into the low spots and smaller places. Being small in diameter, combined with the terrific speed, it will cut faster and reduce your abrasive cost at least 30% as there is less friction. (The higher the abrasive speed, the less friction).

The finish the Speedmatic Eight leaves will please the most fastidious and insure repeat business for you. Shock absorbing or tension springs directly connected to the drum are responsible for this smooth surface. As vibration causes chatter marks, we have made every effort to eliminate it, and believe that we have found the solution. These springs take up most of the vibration allowing the drum to move smoothly over the floor, assuring a fine finish.

Despite the light weight, great pressure is applied to the drum to insure intensive cutting. This is accomplished in two ways. First the arms that support the drum are very long and are pivoted at the extreme ends and not in the center. Thus the weight of the drum is added to the pressure. Secondly, the forward tilt given to the machine throws the weight of the motor, the 16-lb. added weight, and the outside frame upon the drum through the coil springs. The ordinary pressure is 45 lbs. However, an extra 50-lb. pressure



Putting Machine in Auto
One Man Can Carry It

can be applied at the handle. Pressure to the drum is applied by a single self-locking hand lever of toggle action principle. By this principle the operator exerts tremendous control power, yet is simple and easy to operate.

The drum is driven by a small endless molded V type belt of heavy construction which assures flexibility and quiet operation. Another advantage is that it will not throw oil on the floor or walls, such as is characteristic of a chain drive, eliminating any charges for redecorating.

The absence of gears means no loss of power, simplicity, fewer parts, and less trouble.

Dust is not a nuisance with the Speedmatic Eight, as the die cast aluminum fan is driven at the tremendous speed of 6000 R. P. M. by belt which has an idler pulley to take up the slack. To further assure dustless

operation, a thin, removable, aluminum guard is placed over the drum to catch any dust that may escape the vacuum. It positively picks up dust on forward stroke.

The machine sands within $\frac{3}{8}$ " of baseboard which can be covered by the quarter round. It also sands within 3" in the front, doing away with a great deal of handscraping the edges.

The machine is of precision ball bearing construction, sixteen in all, and are interchangeable save those in the motor and drum. We believe that no other machine on the market has as many ball bearings. This means that with the Speedmatic there is very little wear and tear on parts, and consequent replacement. There is less bothersome lubrication. They give smooth, frictionless operation which means little power is lost between the source and the work. As machine tool builders we know, that other things being equal, the quality and accuracy of work produced can be no better than the bearings in a machine. We have put the best ball bearings obtainable in the Speedmatic so that you may have a floor surfacer of long life.

No extra power plant is needed with this machine. It may be operated from a floor plug with a 25 ampere fuse. The switch is on the motor where it is handy and within easy reach. This position does away with any surplus or exposed wiring inviting short circuits. To further make it as trouble-proof as possible, we have provided a safety switch that automatically cuts out when the machine is over-loaded. This added precaution will save your motor and wiring from burning out, thus saving you expensive repair bills.

Such value has never been placed in a floor sander heretofore. Construction, portability, ease of operation, quietness, long life, low upkeep cost, and safety, with the ultimate thought being to build a machine that will produce the utmost in floor finish and work.

We, therefore, believe the Speedmatic Eight deserves your serious consideration.

Your Next Floor Surfacers
Should be a

Speedmatic

The Porter-Cable Machine Co., Syracuse, N. Y., U. S. A.

Machine Tool Builders for Twenty-two Years



Ask
about
it!